



Patent Application  
Attorney Docket No. PC25109A

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By

*Irene Grantham*

(Signature of person mailing)

Irene Grantham

(Typed or printed name of person)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Duncan Robert Armour, et al.

APPLICATION NO.: 10/632,438 : Examiner: To Be Assigned

FILING DATE: July 31, 2003 : Group Art Unit: 1614

TITLE: OXYTOCIN INHIBITORS :

Hon. Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97 ET SEQ.

Applicant(s) herein make(s) available to the U.S. Patent and Trademark Office a copy of PTO-FB-A820 which lists the references cited by the applicant(s), copies of which are enclosed.

The Examiner is requested to consider carefully the complete text of these references in connection with the examination of the above-identified application in accord with 37 C.F.R. § 1.104(a). It is believed the Examiner will concur with applicant's belief that the subject matter presently claimed is neither anticipated nor rendered obvious by the foregoing references.

It is requested that the references listed on the attached form PTO-FB-A820 be included in the "References Cited" portion of any patent issuing from this application (M.P.E.P. § 1302.12).

A prompt and favorable response is earnestly solicited.

Respectfully submitted,

Date: April 16, 2004  
Pfizer Inc.  
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|----------------------------------------------------------------------|----------------------------------------|-----------------------|
| INFORMATION DISCLOSURE CITATION<br>(Use several sheets if necessary) | ATTY. DOCKET NO. PC25109A              | SERIAL NO. 10/632,438 |
|                                                                      | APPLICANT Duncan Robert Armour, et al. |                       |
|                                                                      | FILING DATE July 31, 2003              | GROUP 1614            |

### U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT NUMBER |   |   |   |   |   |   | DATE     | NAME                | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|----|-----------------|---|---|---|---|---|---|----------|---------------------|-------|----------|-------------------------------|
|                     | US | 2               | 5 | 0 | 3 | 0 | 5 | 9 | 4/4/50   | Miescher, et al.    | 260   | 309.6    |                               |
|                     | US | 2               | 5 | 9 | 9 | 0 | 0 | 0 | 6/3/52   | Kerwin, et al.      | 260   | 570.7    |                               |
|                     | US | 3               | 3 | 8 | 1 | 0 | 0 | 9 | 4/30/68  | Palazzo             | 260   | 268      |                               |
|                     | US | 3               | 5 | 1 | 1 | 2 | 3 | 6 | 5/12/70  | Hess                | 260   | 256.4    |                               |
|                     | US | 3               | 5 | 2 | 7 | 7 | 6 | 7 | 9/8/70   | Archibald, et al.   | 260   | 293      |                               |
|                     | US | 3               | 9 | 9 | 7 | 6 | 6 | 6 | 12/14/76 | Witte, et al.       | 424   | 250      |                               |
|                     | US | 4               | 3 | 2 | 6 | 8 | 9 | 4 | 5/31/77  | Winn, et al.        | 260   | 256.4Q   |                               |
|                     | US | 4               | 1 | 8 | 4 | 0 | 9 | 0 | 2/12/80  | Campbell            | 424   | 251      |                               |
|                     | US | 4               | 2 | 5 | 2 | 7 | 2 | 1 | 2/24/81  | Silvestrini, et al. | 260   | 243.3    |                               |
|                     | US | 4               | 3 | 8 | 6 | 0 | 6 | 7 | 2/9/82   | Manoury             | 424   | 251      |                               |
|                     | US | 4               | 1 | 4 | 3 | 0 | 6 | 3 | 10/27/87 | Imai, et al.        | 514   | 603      |                               |
|                     | US | 5               | 8 | 4 | 6 | 3 | 2 | 0 | 11/19/96 | Takase, et al.      | 514   | 260      |                               |
|                     | US | 5               | 6 | 9 | 8 | 5 | 6 | 0 | 12/16/97 | Onoda, et al.       | 514   | 267      |                               |
|                     | US | 5               | 9 | 4 | 6 | 1 | 1 | 7 | 8/31/99  | El-Rashidy, et al.  | 424   | 430      |                               |

### FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER |   |   |   |   |   |   |   |  | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|-----------------|---|---|---|---|---|---|---|--|---------|---------|-------|----------|-------------|----|
|                 |   |   |   |   |   |   |   |  |         |         |       |          | YES         | NO |
| WO              | 9 | 1 | 1 | 1 | 1 | 7 | 2 |  | 8/8/91  | PCT     | A61K  | 9/00     |             |    |
| WO              | 9 | 0 | 9 | 6 | 3 | 9 | 4 |  | 4/1/93  | PCT     | C07D  | 487/04   |             |    |
| WO              | 9 | 3 | 0 | 7 | 1 | 4 | 9 |  | 4/15/93 | PCT     | C07D  | 487/04   |             |    |
| WO              | 9 | 3 | 1 | 2 | 0 | 9 | 5 |  | 6/24/93 | PCT     | C07D  | 239/91   |             |    |
| WO              | 9 | 0 | 9 | 0 | 0 | 9 | 9 |  | 1/6/94  | PCT     | C07D  | 473/30   |             |    |
| WO              | 9 | 4 | 0 | 2 | 0 | 1 | 8 |  | 2/3/94  | PCT     | C08B  | 37/16    |             |    |
| WO              | 9 | 4 | 0 | 0 | 0 | 5 | 1 |  | 3/17/94 | PCT     | C07D  | 471/04   |             |    |
| WO              | 9 | 5 | 1 | 9 | 9 | 7 | 8 |  | 7/27/95 | PCT     | C07D  | 471/14   |             |    |
| WO              | 9 | 8 | 3 | 0 | 5 | 6 | 0 |  | 7/16/98 | PCT     | C07D  | 409/04   |             |    |
| WO              | 9 | 8 | 4 | 9 | 1 | 6 | 6 |  | 11/5/98 | PCT     | C07D  | 487/04   |             |    |

| INFORMATION DISCLOSURE CITATION<br>(Use several sheets if necessary)          |   |   |                                                                                                                                                                                                                                                                                                            |   |   | ATTY. DOCKET NO. PC25109A |   |          |     | SERIAL NO. 10/632,438 |        |  |  |
|-------------------------------------------------------------------------------|---|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---------------------------|---|----------|-----|-----------------------|--------|--|--|
| APPLICANT Duncan Robert Armour, et al.                                        |   |   |                                                                                                                                                                                                                                                                                                            |   |   |                           |   |          |     |                       |        |  |  |
| FILING DATE July 31, 2003                                                     |   |   |                                                                                                                                                                                                                                                                                                            |   |   | GROUP 1614                |   |          |     |                       |        |  |  |
| WO                                                                            | 0 | 8 | 5                                                                                                                                                                                                                                                                                                          | 5 | 0 | 0                         | 8 | 12/10/98 | PCT | A61K                  | 47/48  |  |  |
| WO                                                                            | 0 | 5 | 2                                                                                                                                                                                                                                                                                                          | 2 | 1 | 0                         | 0 | 1/21/99  | PCT | A61K                  | 31/495 |  |  |
| WO                                                                            | 0 | 0 | 2                                                                                                                                                                                                                                                                                                          | 4 | 4 | 3                         | 3 | 5/20/99  | PCT | C07D                  | 487/04 |  |  |
| WO                                                                            | 0 | 0 | 3                                                                                                                                                                                                                                                                                                          | 0 | 6 | 0                         | 0 | 6/24/99  | PCT | A61K                  | 31/00  |  |  |
| WO                                                                            | 0 | 5 | 5                                                                                                                                                                                                                                                                                                          | 0 | 3 | 0                         | 0 | 10/28/99 | PCT | C07D                  | 487/04 |  |  |
| WO                                                                            | 0 | 0 | 0                                                                                                                                                                                                                                                                                                          | 2 | 6 | 5                         | 0 | 1/20/00  | PCT | A61K                  | 31/00  |  |  |
| WO                                                                            | 0 | 0 | 2                                                                                                                                                                                                                                                                                                          | 0 | 7 | 4                         | 0 | 5/4/00   | PCT | C07D                  | 487/04 |  |  |
| WO                                                                            | 0 | 0 | 2                                                                                                                                                                                                                                                                                                          | 4 | 0 | 0                         | 3 | 5/25/00  | PCT | A61K                  | 31/495 |  |  |
| WO                                                                            | 0 | 1 | 2                                                                                                                                                                                                                                                                                                          | 7 | 1 | 1                         | 2 | 4/19/01  | PCT | C07D                  | 487/04 |  |  |
| WO                                                                            | 0 | 1 | 2                                                                                                                                                                                                                                                                                                          | 2 | 1 | 0                         | 0 | 4/19/01  | PCT | C07D                  | 487/04 |  |  |
| EP                                                                            | 0 | 4 | 6                                                                                                                                                                                                                                                                                                          | 0 | 0 | 5                         | 0 | 1/2/92   | EP  | C07D                  | 487/04 |  |  |
| EP                                                                            | 0 | 5 | 2                                                                                                                                                                                                                                                                                                          | 6 | 0 | 0                         | 4 | 2/3/93   | EP  | C07D                  | 487/04 |  |  |
| EP                                                                            | 0 | 0 | 9                                                                                                                                                                                                                                                                                                          | 5 | 7 | 0                         | 0 | 4/26/00  | EP  | C07D                  | 487/04 |  |  |
| EP                                                                            | 0 | 5 | 9                                                                                                                                                                                                                                                                                                          | 5 | 4 | 5                         | 1 | 4/16/00  | EP  | C07D                  | 487/04 |  |  |
| EP                                                                            | 1 | 0 | 9                                                                                                                                                                                                                                                                                                          | 2 | 7 | 1                         | 8 | 4/18/01  | EP  | C07D                  | 473/30 |  |  |
| EP                                                                            | 1 | 0 | 9                                                                                                                                                                                                                                                                                                          | 2 | 7 | 1                         | 9 | 4/18/01  | EP  | C07D                  | 487/04 |  |  |
| EP                                                                            | 1 | 0 | 9                                                                                                                                                                                                                                                                                                          | 2 | 7 | 1                         | 0 | 5/9/01   | EP  | A61K                  | 38/55  |  |  |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b> |   |   |                                                                                                                                                                                                                                                                                                            |   |   |                           |   |          |     |                       |        |  |  |
|                                                                               |   |   | Keating, et al., "Molecular Diversity via a Convertible Isocyanide in the Ugi Four-Component Condensation", <u>J. Am. Chem. Soc.</u> <b>117</b> , pp. 7842-7843 (1995)                                                                                                                                     |   |   |                           |   |          |     |                       |        |  |  |
|                                                                               |   |   | Keating, et al., "Postcondensation Modifications of Ugi Four-Component Condensation Products: 1-Isocyanocyclohexene as a Convertible Isocyanide. Mechanism of Conversion, Synthesis of Diverse Structures, and Demonstration of Resin Capture", <u>J. Am. Chem. Soc.</u> <b>118</b> , pp. 2574-2583 (1996) |   |   |                           |   |          |     |                       |        |  |  |
|                                                                               |   |   | Ley, et al., "A Polymer-Supported [1,3,2]Oxazaphospholidine for the Conversion of Isothiocyanates to Isocyanides and Their Subsequent Use in an Ugi Reaction", <u>Bioorganic &amp; Medicinal Chemistry Letters</u> <b>12</b> , pp. 1813-1816 (2002)                                                        |   |   |                           |   |          |     |                       |        |  |  |
|                                                                               |   |   | Weber, et al., "An Improved Procedure for the Hofmann Carbylamine Synthesis of Isonitriles", <u>Tetrahedron Letters</u> <b>17</b> , pp. 1637-1640 (1972)                                                                                                                                                   |   |   |                           |   |          |     |                       |        |  |  |
|                                                                               |   |   | Melman, et al., "The Epidemiology and Pathophysiology of Erectile Dysfunction", <u>The Journal of Urology</u> <b>161</b> , pp. 5-11 (1999)                                                                                                                                                                 |   |   |                           |   |          |     |                       |        |  |  |
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|                                                                               |   |   | Mukaiyama, et al., "The Deoxygenation of Isocyanates by 2-Phenyl-3-methyl-1, 3, 2-oxazaphospholidine. A Convenient Method for the Preparation of Isonitriles", <u>Bulletin of the Chemical Society of Japan</u> <b>38</b> (5), pp. 858-859 (1965)                                                          |   |   |                           |   |          |     |                       |        |  |  |
|                                                                               |   |   | Berge, et al., "Pharmaceutical Salts", <u>Journal of Pharmaceutical Sciences</u> <b>66</b> (1), pp. 1-19 (1977)                                                                                                                                                                                            |   |   |                           |   |          |     |                       |        |  |  |

|                                                                                                                                                                                                                                          |  |  |                                                                                                                                                                  |  |                       |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------|--|
| <b>INFORMATION DISCLOSURE CITATION</b><br><i>(Use several sheets if necessary)</i>                                                                                                                                                       |  |  | ATTY. DOCKET NO. PC25109A                                                                                                                                        |  | SERIAL NO. 10/632,438 |  |
|                                                                                                                                                                                                                                          |  |  | APPLICANT Duncan Robert Armour, et al.                                                                                                                           |  |                       |  |
|                                                                                                                                                                                                                                          |  |  | FILING DATE July 31, 2003                                                                                                                                        |  | GROUP 1614            |  |
|                                                                                                                                                                                                                                          |  |  | Ugi, et al., "New Methods in Preparative Organic Chemistry IV", <u>Angew. Chemie Int. Edition</u> 4(6), pp. 472-484 (1965)                                       |  |                       |  |
|                                                                                                                                                                                                                                          |  |  | Creedon, et al., "Dehydration of Formamides Using the Burgess Reagent: A New Route to Isocyanides", <u>J. Chem. Soc., Perkin Trans. 1</u> , pp. 1015-1017 (1998) |  |                       |  |
| EXAMINER                                                                                                                                                                                                                                 |  |  | DATE CONSIDERED                                                                                                                                                  |  |                       |  |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |  |                                                                                                                                                                  |  |                       |  |

Conforms with FORM PTO-FB-A820

INFORMATION DISCLOSURE